



<b>Overview</b>	In Year 10, biology content includes, communicable and non-communicable disease, photosynthesis, including plant organisation, and respiration. Chemistry knowledge is further developed in Year 10 with material such as quantitative chemistry, chemical change and electrolysis. In physics, energy builds on energy stores taught in Year 7. Student also learn about electricity, matter, specific heat capacity of materials and radioactivity.
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<b>Autumn Term</b>	<b>Biology</b> Infection & response Bioenergetics ( <i>photosynthesis</i> )	<b>Assessment</b>
	<b>Chemistry</b> Chemical calculations Chemical Change	
<b>Physics</b> Electricity, circuits, series and parallel Electricity in the home, AC and DC circuits, wiring a plug.		<ul style="list-style-type: none"> <li>■ Mini tests covering short term recall</li> <li>■ Synoptic tests covering multiple units and longer-term recall</li> <li>■ <b>Digital Platforms:</b> Seneca Homework and Carousel Learning</li> <li>■ <b>Biology Required Practical:</b> Rates of photosynthesis,</li> <li>■ <b>Chemistry Required Practical:</b> Making Salt, Neutralisation</li> <li>■ <b>Physics Required Practical:</b> Resistance of a wire, series and parallel circuits</li> </ul>

<b>Spring Term</b>	<b>Biology</b> Bioenergetics ( <i>respiration</i> ) Homeostasis ( <i>nervous response</i> )	<b>Assessment</b>
	<b>Chemistry</b> Rates	
<b>Physics</b> Forces in balance Forces in motion		<ul style="list-style-type: none"> <li>■ Mini-tests covering short term recall</li> <li>■ Synoptic tests covering multiple units and longer term recall</li> <li>■ <b>Digital Platforms:</b> Seneca Homework and Carousel Learning</li> <li>■ <b>Biology Required Practical:</b> Reaction times</li> <li>■ <b>Chemistry Required Practical:</b> Electrolysis, Temperature Changes</li> <li>■ <b>Physics Required Practical:</b> Density investigation</li> </ul>

<b>Summer Term</b>	<b>Biology</b> Bioenergetics ( <i>respiration</i> ) Homeostasis ( <i>nervous response</i> )	<b>Assessment</b>
	<b>Chemistry</b> Electrolysis Energy Changes	
<b>Physics</b> Particle model of matter Radioactivity and atomic structure		<ul style="list-style-type: none"> <li>■ Mini tests</li> </ul> <p><b>End of Year Exam (Term 3)</b></p> <ul style="list-style-type: none"> <li>■ Biology Paper 1: Units 1-4 - 1h15min, 33.3 % of end of year grade</li> <li>■ Chemistry Paper 1: Topics 1-5 - 1h15min, 33.3 % of end of year grade</li> <li>■ Physics Paper 1: Units 1-4 - 1h15min, 33.3 % of end of year grade</li> </ul>

<b>Useful Resources for Supporting Your Child at Home:</b>	<b>Homework:</b>
<ul style="list-style-type: none"> <li>■ <a href="#">Carousel</a> – revision &amp; study pack flash-cards</li> <li>■ <a href="#">Seneca</a> – interactive revision</li> <li>■ <a href="#">Physics and maths tutor</a> – online exam question bank &amp; flashcards</li> <li>■ <a href="#">Youtube</a> – Free Science lessons</li> <li>■ <a href="#">Savemyexams</a> – useful exam practice website</li> </ul>	<ul style="list-style-type: none"> <li>■ <b>Digital Platforms:</b> Seneca Homework, Sparx Science, Carousel linked on Microsoft Teams</li> </ul>